Clean version of all pending claims

- 81. A method of inducing apoptosis of a cell, said method comprising (a) administering to said cell by intratumoral injection a nucleic acid encoding a polypeptide comprising the sequence of SEQ ID NO.: 4 and capable of inducing apoptosis, said nucleic acid operably linked to a heterologous regulatory sequence for expression of said polypeptide, and (b) expressing said nucleic acid in said cell, wherein expressing said nucleic acid in said cell induces apoptosis of said cell.
- 85. The method of claim 81, wherein said regulatory sequence is capable of expressing said nucleic acid in a constitutive, inducible, or cell-type specific manner.
- 86. The method of claim 81, wherein said nucleic acid is in an adenoviral vector or a retroviral vector.
 - 87. The method of claim 81, wherein said cell is a cancer cell.
- 88. A pharmaceutical composition comprising (i) an expression vector comprising a nucleic acid encoding an E4orf4 polypeptide comprising the sequence of SEQ ID NO.: 4 and capable of inducing apoptosis, and (ii) a pharmaceutically acceptable carrier, wherein said nucleic acid is operably linked to a heterologous regulatory sequence for expression of said E4orf4 polypeptide in a mammalian cell, and wherein E4 polypeptides other than said E4orf4 polypeptide are not expressed by said vector.
- 92. The composition of claim 88, wherein said regulatory sequence is capable of expressing said nucleic acid in a constitutive, inducible, or cell-type specific manner.
- 93. The composition of claim 88, wherein said nucleic acid is in an adenoviral vector or a retroviral vector.
- 95. An expression vector comprising a nucleic acid encoding an E4orf4 polypeptide comprising the sequence of SEQ ID NO.: 4 and capable of inducing apoptosis, wherein said nucleic acid is operably linked to a heterologous regulatory sequence for expression of said E4orf4 polypeptide in a mammalian cell, and wherein E4 polypeptides other than said E4orf4 polypeptide are not expressed by said vector.

- 99. The expression vector of claim 95, wherein said regulatory sequence is capable of expressing said nucleic acid in a constitutive, inducible, or cell-type specific manner.
- 100. The expression vector of claim 95, wherein said expression vector is an adenoviral vector or a retroviral vector.